

Remarks

Claims 1-5, 12-17, 22-28, 32, 36, 39, 44, 46, 48, 49, 66, 67, 70, 88, and 94-100 were previously pending. No claims are canceled. No new subject matter is added.

Upon entry of this Amendment, pending claims are numbered 1-5, 12-17, 22-28, 32, 36, 39, 44, 46, 48, 49, 66, 67, 70, 88, and 94-100.

Claims 46, 96, 97, 98, and 99 are currently amended to correct certain informalities. For claim 46, a typographical error is corrected to indicate the SEQ ID NO identifier (i.e., SEQ ID NO: 318, rather than SEQ ID NO: 18) that the recited sequence of the claim refers to in the application as filed. Support for this amendment can be found in the paragraph bridging pages 5-6 of the specification. Claim 46 is also amended to correct a typographical error in punctuation, substituting "X₃, and X₄" for "X₃ and, X₄". Claims 96, 97, 98, and 99, are currently amended by insertion of corresponding SEQ ID NOs, according to the Substitute Sequence Listing filed herewith in response to the Notice to Comply with Requirements for Patent Application Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, mailed on October 25, 2006.

The Substitute Sequence Listing filed herewith incorporates amendment of SEQ ID NOs 296, 301, 311, 312, 315, and 318, in conformity with the Notice to Comply with Requirements for Patent Application Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, mailed on October 25, 2006. Applicant wishes to point out in connection with SEQ ID NO:301, which is claimed in claim 32, that "(T*/A*)" in 5'T*C*G*(T*/A*)TN₃CGTTTT-N₄CGN₅*T*T 3' is represented by "w" in the Substitute Sequence Listing. Applicant also wishes to point out in connection with SEQ ID NO:318, which is claimed in claim 46, that X₁, X₂, X₃, and X₄, each of which independently can represent C or G, are represented by "s" in the Substitute Sequence Listing. Variable length segments in SEQ ID NOs 296, 301, 311, 312, 315, 318, and in sequences recited in claims 96-99 are disclosed in the Substitute Sequence Listing as required by the examiner.

An early and favorable response is solicited.

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Art Unit 1645

Respectfully submitted,
Krieg et al., Applicant



By: Alan W. Steele, Reg. No. 45,128
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA, 02210
Tel. 617.646.8000

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